

In the claims:

All of the claims standing for examination are reproduced below. Claims 1 and 10 are amended in this response.

1. (Currently amended) A software-bundle residing on a server for navigating on a data network on behalf of a user by proxy, comprising:

a browser application for navigating on the network;

a set of functional programs for performing tasks;

a set of APIs for integrating the functional programs to the browser application according to a machine-readable set of instructions; and

a control application for spawning, managing and terminating an instance of the browser application and monitoring behavior of the browser instance during a navigation sequence;

wherein the software-bundle functions as a navigation system capable of fully automating the functionality of a manual navigation system controlled by a user in such a way that allows the system to perform normal user navigation and registration actions automatically and transparent to the user including navigation to Web sites, registration with a user name and password, form filling, data searching, parsing Web pages and data capture and return, thereby reducing or eliminating the chance of failed user registration, and the set of machine-readable instructions is provided from an external source other than the control application.

2. (Original) The software-bundle of claim 1 wherein the data network is the Internet network.

3. (Canceled)

4. (Previously presented) The software-bundle of claim 1 wherein the set of machine-readable instructions is provided to the bundle by the control application.
5. (Original) The software-bundle of claim 4 wherein the set of machine-readable instructions covers a single navigation sequence.
6. (Original) The software-bundle of claim 5 wherein the set of machine-readable instructions covers a series of navigation sequences.
7. (Original) The software-bundle of claim 6 wherein the bundle resides on a single processor and includes an instance of the control application.
8. (Canceled)
9. (Original) The software-bundle of claim 6 wherein the software-bundle shares a control application with other like software-bundles executing on other processors.
10. (Currently amended) A method for performing an automated navigation sequence on a data network comprising the steps of:
 - (a) providing a machine-readable set of instructions, by a software-control application for initiating, running, and closing the navigation sequence from a server on the data network;
 - (b) executing an instance of a browser application, the execution resulting from receipt of the machine-readable set of instructions;
 - (c) executing and completing a series of tasks during the navigation

sequence, including navigation, registration with a user name and password, form filling, data searching, parsing Web pages and data capture and return, according to the order of instruction contained in the machine-readable set of instructions; and

(d) terminating the instance of browser application, the termination resulting from the completion of the machine-readable set of instructions by the instance of browser application;

~~wherein in step (c) the navigation tasks are normal navigation and registration actions performed automatically and transparently to the user thereby reducing or eliminating the chance of failed user registration.~~

11. (Original) The method of claim 10 wherein the data network is the Internet network.

12. (Canceled)

13. (Previously presented) The method of claim 10 wherein in step (a), the machine readable instructions provide for monitoring the navigation sequence by the software-control application.

14. (Original) The method of claim 13 wherein in step (b), the machine-readable set of instructions contains a first instruction for spawning an instance of the browser application.

15. (Original) The method of claim 13 wherein in step (d), the machine-readable set of instructions contains a last instruction for closing an instance of the browser application.

16. (Original) The method of claim 13 wherein in step (b), the browser instance is spawned by the software-control application, and in step (d), the browser instance is terminated by the software-control application.

17. (Previously presented) The software bundle of claim 1 wherein the API's further provide automated extensibility to the browser instance by accessing and utilizing any Java-based routines that are used during navigation on a network.

18. (Previously presented) The software bundle of claim 17 wherein the API's extend automated browser functions by including at least one of searching Web site destinations, emulating all user input actions, error recovery and statistic-collection of a navigation sequence.

19. (Previously presented) The software bundle of claim 1 wherein the functional programs include at least one of Web page data parsing, image search, failure-detection and dialog intercept.

20. (Previously presented) The software bundle of claim 18, wherein the search function includes determining a data structure tree defining how data is displayed on a WEB page in HTML format.

21. (New) The software bundle of claim 1 wherein registration occurs automatically by generating and submitting usernames and passwords according to form requirements and site rules at the Web sites, wherein the user has no knowledge of the data even after successful registration.